Notebook Series -- Pocket Notebooks
Notebook, PN-13-07-12

The first dated entry in this pocket notebook is from July 1913, although the book was probably started at the beginning of the year. It was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Included are technical notes relating to electroplating, disc records, automobile starters, batteries, home projecting kinetoscopes, telephones, and electromotographs. Many of the entries pertaining to disc records are preceded by experiment numbers, which may correspond to experiment numbers in other notebooks. Toward the end of the book are business-related entries regarding problems with disc record manufacture, costs, labor, orders, investments, and the financial standing of various Edison companies. Similar information can be found in PN-13-09-24. The last two pages contain notes in Edison's hand about the social activities of his wife, Mina Miller Edison, probably during the period April 22-May 15, 1913.

Among the numerous Edison employees mentioned in the book are chemists Jonas W. Aylsworth, Peter C. Christensen, and Ignacy Goldstein; master machinist Robert A. Bachman; experimenter Charles T. Dally; William W. Dinwiddie and Sherwood T. (Sam) Moore, two of Edison's principal assistants in the development of disc records; Harold H. Smith, chief of the Battery Research Dept. at the West Orange laboratory; and Carl H. Wilson, vice president and general manager of Thomas A. Edison, Inc. There are also many references to industrialist Henry Ford. The pages are unnumbered. Approximately 160 pages have been used.

Philpot wants 1 tanks
45" dia 8' deep

or 45 X 30" by 8' deep

1 Tank for water 3 Tanks
for dipping

Try Chloride of Aniline -
+ other organic salts "

Try Varnish plates of
different metals

Draftsmen to make
blue print Water &
Steam system works
& Lab -

Hydrogylamine added to a Copper solution weakes deposit brighter & smoother —

Cu SO4 sol gives more uniform deposit below it is acidulated with Nitric acid unless H_2SO_4 —

Tin in Copper bath stops working & dimmishes the Nickel

487 — 24 plates 4 Discs
2 OK 2 2nds —
Transfer 1 OK Discards
2 2nds 1
plates — all have bubbles
7 plates not cracked
20 plates Cracked
NG Not backed

486 — 12 Disc 6 OK 6 Discards
4 Warped 2 cracked —
10 is good pure cyanide
Cracks small
Plates Discards 7 cracked
Transfer some blisters all
24 plates warped
OOK Looks good some
are blisters
Not tested NG —

485 – 12 Dozen 8 OK
1 2nd Cracked 3 Discards
2 peeled 1 pick up –
Wks good, fair release
Transfer OK 5 3 2nds
discards Cracked 4
Over cook good few air ~~bub~~
blisters.
Transfer small air bubs
in all 24 Discards 3
Raised

484 – 12 Dozen 8 OK 1 2nd Cracked
3 Discards peeled
Wks very good fine surface
free release
Transfer OK 8 Discards 4
Cracked – Over cook fair
few air blisters
Blaze bad bubs on all 24

483 – 12 Dozen 7 OK 2 2nds Crop
3 Discards 1 peeled 1 Crop
Wks good fine surface
free release
Transfer OK 5 2nds 2
Pull and Discards 4 Crop
Over cook fair air blisters
Bad bubs on bell –

354 Rosolic acid 5%
355 " 10%
356 Succinic
357 Phenthren
358 Belanaphtol
359 Resorcin.
360 Phenacetin
361 Perchlorobenzol
362 Monomethylparamidophenol
363 Benznaphtol
364 Alpha Naphtol
365 Paratoluotoulfochloride
366 Di Oxynaphthalene
367 Paraamidophenol
368 Metatoluylenediamine
369 Paradichlorophenol
370 Parachloroaniline
371 Paraphenylenediamine
372 Bela Naphthalamine
373 Metaphenylenediamine
374 1% NaOH
375 2% NaOH

377 5% NaOH
378 10 "
379 Anthracene - not sol.
380 Benzonaphtol 50% sol
381 Phthalic acid
382 Acetanilide
383 Athraquinone not sol
384 Reg 384 mixed twice as long
385 Chloride Ammonia 38% sol
386 Napthalene hydrochloride 5% sol
387 Benzoate Pot 55% sol
388 Cresylic acid
389 Phenanthrene
390 Oleaic Acid
391 Lactic acid
392 Lead Acetate
393 Diphenylamine
394 Chloral Hydrate
395 Hexachlorathan
396 Citric Acid,
397 Naphtalamine
398 Tartaric Acid not sol

399 Gum Dammar 55% sol
400 " Kauri
401 Rosin
402 Stevine pitch not sol
403 Water 2
404 " 5 %
405 " 10
406 " 20
407 6/4 9/10 of Req amt
408 8/10
409 1
410 1/2
411 4
412 3
413 2/10
414 Paraformaldehyde
415 Paraphenylenediamine base 2%
416 Acetate Potash
417 Boric Acid
418 Manganous Chloride
419 Acetate Magnesia
420 Rosolic acid 4%
421 Rosolic acid 3.5%
422 " 3%
423 " 2.5%
424 " 2%
425 Hydroquinone 73% sol
426 Acid Mucic ?
427 Acid Paraoxybenzoic
428 Gallonic acid anhy 85% sol
429 Copper chl ?
430 Gum Gamboge 5% 50% sol
431 Manilla Copal 60% sol
432 Acid Meta Oxybenzoic
433 Quinone
434 Gamboge 10%
435 " 20%
436 Acid Salicylic
437 Nanking Yellow 30% sol
438 Rhodamine BX
439 Safranine Base 61% sol
440 Phosphine 28% sol
441 Fuchsine
442 Fuchsine base 10% sol

443 Bromo J
444 " 4A
445 Auramine OOB Conc
446 Acid violet 4 BNS Conc 68% sol
447 Violet base 70% sol
448 Methyl Violet 3PB 68% sol
449 Violet 6B
450 Victoria blue base 29% sol
451 Spirit blue 68%
452 Methyl Blue BB 3%
453 Alkali blue 66% sol sol
454 Victoria blue B 63% "
455 Alkali blue BR 46% "
456 Enaglancane 46 "
457 Green M 46 "
458 Acid Green GCX 8% sol
459 " " BB 8% "
460 Green base 1107 85% "
461 5% Shellac
462 10% "
463 25% "
464 50 "

465 Acetanilide 8%
466 " 12%
467 " 3%
468 Alpha Naphtol 3
469 " 8
470 " 12
471 Paratoluolsulfochloramide 3
472 " 8
473 Parachloraniline 3
474 " 8
475 " 12
476 Amorph Graphite 5
477 " 10
478 " 15
479 Strontium Carb 5
480 " 10
481 " 15
482 Lampblack 5
483 10
484 15

CMJ

485 Chrysoidine 25% Sol
486 Gum Dammar 3% } 80% "
487 8 } 63 "
488 12 } 53 "
489 Salicylic acid 3 } NG
490 8 } NG
491 12 } NG
492 Phthalic acid 3 } NG
493 8 } NG
494 12 } NG
495 2 } NG
496 Aniline Oil 4 } NG
497 6 }
498 Acetanilide 3 }
499 5 }
500 8 }
501 12 }
502 Acid Green GCX 3% 83% Sol
503 8 12% Sol
504 Alkali Blue BR 3% } ——
505 8% }
506 Parachloranilin 4%

507 Parachloranilin 12%
508 Grafite 10% 097
509 Grafite 25% "
510 " 50% " 9-
511 Chromate Ammonia 84% Sol 2% 10
512 50% 5% 10-
513 37% 8% 8
514 21% 12 11
515 Paraphenylendiamin 3% used of chromate
516 Phthalic acid 5% 9-
517 " 8
518 Phthalic acid 3% + Paraphenylendiamin 1%
519 Gum Dammar 5%
520 Parachloranilin 5% Paraphenylendiamin 2%
521 Reg Perita 4% cerude
Paraphenylenediamin 2%
522 Rosolic A 4% crude
Paraphenylenediamin 2%
523 Phthalic A 4% —
Paraphenylenediamin 2%
524 Alpha Naphtol 4%
Paraphenylenediamin 2%
525 Acetanilide 4% —
Paraphenylenediamin

526 Diphenylamine 4% ~~a~~
Paraphenylene diamine 2%

527 Acetate Magenta 4%
~~a~~ P — 2%

528 Hexachloralkan 4% ~~a~~
P 2%

529 Schaeffe acid 4% ~
P 2%

530 Safranine base 3% ~
P 2%

531 Acid violet 4B NS Conc 3% ~~a~~
P 2%

532 Bromo 4A 4% ~
P 2%

533 Parafuchsin methyl chloride 4%
P 2% Some reaction?

534 Varnish for edge of
Resorb 1200 Cresol resin
1800 Cresol
36 Paraphenylene

535 – 1200 Resin 142° MP 29% Bisphenol
54 Penta
45 Hep
95 6/4
1780 Phenol

536 – 75% 094 profile
537 Equal parts "
538 Dupre Dammar 5%
2% Paraphenylenediamine
539 100% ~~a~~
2% Paraphenylene diamine
540 5% Chl Ammonium
2% Paraphenylenediamine
541 – 75% Carb Chromium
2% Paraphenylenediamine
542 Superheated Resin 1 hour
Req Penta – no Extra Phenol
543 ditto 2 hours
544 " 3 "
545 " 4
546 5
547 2% Paraphenylenediamine
5% Pentachloroacetalan
25% Extra 6/4

(15)

In catalogues of disc say music is best heard 10 or more ft from the machine, allowing for spread of the sound waves

Send Ford photos of progress of bldgs

Where is contract with Jacques Urfus

Wilson who looks after small Motor Rectifier to see if properly arranged & Costs kept down

Bachman How about Mummy Cell - The German lamp that got the prize is being introduced

Hutch - How about Buick slaughter

Must lampblack with good - plat Dg - The reduce in H for telephone -

put 2 vic seconds together - present our record on it test -

Moore - get mould & press graphite on record.

Did I patent the Goose on Dynamo of Ford with governor closing when get certain speed & opening when speed too high

Evening at 7 pm one man lost 20 pounds wt scrap & they got better pressure & working steadily

Cut off exhaust steam from dryer & phenol pot also over heating cylinders

Start working Nos 2 & 3 Reactors

Start tower changes on standard due apts lightening up bright.

Try Headquarters back for publicity record numbers also CMS Sx & others prompts

Mould Lift in wafers -

492 3½ [illegible] 12 Discs
OK 6 – 2nds 3 [illegible]
3 Discards –
Wks fair 3 slick –
Not tested

Schwyhart
491 – 12 Discs 1 OK 11 Discards
dont f Cons smooth
Wks fair slight wk –
2 plates slick
Transfer – 11 Discards all
pull cathes –
NG Not tested

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382 49 plates 24 Disc 18 OK
6 Discards peeled
Wks good fine surface
free rule are A1
Transfer OK 18 Discards 6
Cracked plates
OK 48 Overs fine fair
are blisters –

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496 – 12 Discs 5 OK 2 nds 1 peeled 1 slight
5 Discards peeled wks
fair – 3 slick to plates
surface cracked
Smudgy –
Not tested

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495 12 discs 7 OK 2½ [illegible]
1 2nd fine crack –
4 Discards 2 peeled 2 cracks
Wks good – 4 slick
Smudgy –
Transfer OK 7 Discards 3 pullout
Not tested

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493 8½ [illegible] – 12 Discs OK 4
2 nds 1 fine crack 4 Discards
Dont f Cons smooth –
wks poor – 3 slick
plates –
Not tested

382 – 23 Discs OK All of this was notching
1 2nd cover repeat 14 Discs OK slightly
10 peeled 4 Cracked 343
Not Loaded

490 – 12 Discs 5 OK 3 2nd
1 left 2 Cracked Crack
4 Discs Dull Clean
smooth – (slight scratch
not in playing area
No Load

489 – 12 Discs 7 OK
1 2nd Cracked
Discs 1 2 Cracked
2 peeled
3 Cracks to peeled –
No Load

McChesney & Ure
Lakeside Hunt
Put them on here

Wallace Muller
Muller Happy Days
cover 3 of them
also notching of covers

384 Varnish double length tape
Mixing – 120 Plates 60 of them
50 OK 1 2nd Cracked
9 Discs (4 cracked 2 peeled 2 lifting)
Works very good good smooth
surface – good release A1.
12 Records tested with horn
30 OK = 25%
4 Run out 34%
3 Very slight run out
2 " not velvet } 42%
pretty good surface + satisfactory
in horn – My cord makes me see
Harris –
Transfers 50 OK 9 Discs Cracked
1 peel out
This is a sample to
judge other by –

485 12 Discs 8 OK 1 2nd
Cracked 3 Discards 2 peeled
1 pick up — looks good,
good surface free release
5 Records 4 Run out
1 Run out surface bad

Transfer 5 OK 2 2nd 3 pull out
Discards 4 Cracked
Clicks from oven looks good
few not clickers -

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509 12 Discs 10 OK 2 Discards
1 left 1 scrub looks very
good fine surface
free release A1
Transfer 8 OK 3 [illegible]
1 OK but small white spot
[illegible] very good
few not clickers

5 Records
1 Slight RO
3 Bad RO
1 RO.

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507 — 12 Discs 10 OK 2 Discards
small lift caps
Works very good, clean surf
some few raised spots
but not soft free release
A1 —
2 OK
2 Slight Run out
1 Run out,
surface fair
Transfer 8 OK 2 2nd 2 light
pull out — 1 Discard pull out
Oven — looks very good

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506 — 12 Discs 10 OK 2 Discards
1 cracked 1 peeled looks good
good surface free release A1

2 OK
3 very slight run out
fair surface not so good
[illegible]
Transfer 9 OK small white spot
[illegible] but 1
Discards 2 Cracked
Oven — Good 1 lift up (25)

382 – 24 Discs 18 OK
6 Discards (peeled)
Wks good fine surface
free release A1
3 Very slight Run out
2 Run out not bad
Oven looks fair few and
blisters
Plates 48 OK
Transfer 18 OK
6 Discards Cracked

483 – 12 Discs 7 OK
2 2nds (2 Cracks)
3 Discards Wks good fine
surf free release
1 Run out
3 OK rough surface
1 Slight RO "
Transfer 5 OK 2nds 2
peel only Discards 5
Cracked

516 – 12 Discs – 9 OK
1 2nd (Corner OK lift up)
2 Discards 1 Lift 1 cracked
Wks very good fine surface
smudgy slightly – free
release
Transf OK 9 2nds 3.
pull with slight
Oven Cracks good

510 – 12 Discs 9 OK
2nds 2 lifts
1 Discard – 1 peeled
Wks very good very good
surface free release
Transfer OK 9
2nd 2 pulled Discards
1 Cracked
1 Rubber on alle plates
Oven fair few and blisters
4 OK very good surface
1 RO Slight — very good

Run was kept on Wks

505 - 12 Discs 10 OK
1 2nd undercracks
1 Discard Cracked -
Works Excellent
good surface free release
slightly sundry A1

1 Very slight RO good surface
2 OK not very good surface
1 OK fair surface
1 Bad RO —

511 — 12 Discs 10 OK
2 2nds Cracked
Wks good - good surface
free release A1
4 OK only fair surface
1 Very bad RO.
Plates Rough & very bad
Transfer Heavy Matte surface
Discards 1
Transfer Discards 1 Crack
Deep scratch 1
Bad surface 1

512 12 Discs 10 OK
2 2nds Cracked
Wks very good Excellent surf
free release slightly sundry
A1 —
5 OK but surface not
as good as 384 Reg —
No RO

504 — 12 Discs 11 OK
1 2nd small Crack but Cancel
Wks Excellent free surface
slightly sundry free
release A1
2 Run Outs
3 OK surface like Reg
Transfer OK N 1 white
spot — No discards
Other good few air blisters
Plates few air blisters
in all —

Wks bad

503 12 Discs 10 OK
2 2nds cracked near hole both
Comet —
Wks Excellent good surf
free release A 1
Some white opals shown
1 OK surface
1 slight RO surf good
3 OK surface good
Transfer 10 2 white opals
Oven fair face and blisters
Plates all OK

514 12 Discs 11 OK 1 2nd
Light Crough —
Wks Excellent Excellent
surface — has a nasty
gray appearance heavy
free release A 1
5 OK good surface
nearly velvet
Transfer OK 11 2nd 1 scratch
Oven Very bad rough
plates heavy mottle surface 1 Discard Reason

Discs Having Wks Hangerdogs
Letter —

513 12 Discs 8 OK 1 2nd
small hole —
Discards 3 1 cracked 2
small holes —
Wks fair fair surface
slightly dundgy
free release Varnish heavy
4 OK not velvet
1 slight RO not velvet
Transfer 7 OK 2 2nds
pull off Discards 1
Cracked 2 Dirt on
surface
Oven — Very bad rough
Plates Heavy mottle surface
1 Discard Reason

(13)

484 12 Discs 8 OK
1 2nd Cracked
3 Discs peeled -
Cols very good
fine smooth surface
free scale -

3 OK Velvet
2 Run out
Transfer 8 OK
Discs 4 Cracked
Oven fair few air bubbles
Plates - Bad bubbles
oil cell -

502 - 12 A 6 OK 6 Discs
3 cracked 3 peeled -
free scale -
2 Very Slight Velvet
1 OK
2 Run out -
Oven few air bubbles

482 12 Discs 7 OK
5 Discs 4 peeled 1 cracked
Cols fair good surf -
Sticks to plate
4 OK only just Velvet
not quite as good as
Red
1 Run out
Transfer 7 OK 1 2nd crack
4 Discs pull outs
Oven looks fair few air bubbles
Plates bad bubbles on all
Discs 4 Pitted 2

481 12 Discs 7 OK 1 2nd
small holes - 4 Discs
peeled 1 pick up -
Cols fair good surface
Brownish yellow - Mottled
pressure production wants blue
as usual St Cds -
5 OK Very Velvet
Transf 7 OK 4 cracked 1 2nd pull out
plates usual good oil cell
Oven looks good

480 not tested —
479 " " } dis/pos
as I tested 481 —

With Benzol etc
get in Chloride
~~[illegible]~~ 10 chloride of Amine
~~[illegible]~~ Cellulose
Acetyl Cellulose
sugar

Try Carter 50 75° + equal to
Resin — or 1% Paraphenylendiamin
Try Gum Dammar with
2% phenylenediamin

See if woman see if he can
make some Chlorinated
Acetylated to make
Parachloramidin —

Graphite 100% with 1%
Paraphenylendiamin

Try transforming by oxidizing
surface of Vulcanite — try
Olive oil, Castor oil,
Machine oil or Cap packing —

Moore about another Edging
Machine —

Chloride Ammonia Saturated
which is 30 grammes —
put in 50 — + 2% PPdmine —

Pass Dental plaster Pins
through 20 mesh & cast or
record graphite & see
how it looks —

~~[illegible]~~

Asbestos how he made
Collord metals contra
are used to make
Silver —

521 = 48 Plates 24 Duco
24 OK no 2nds or Discards
Pan excellence = Surface
Excellent — free release —
12 Records Tested
5 OK fair surfaces
5 OK velvet
2 Run outs — Brillian
than regular for run outs
Transfer = 24 OK no discards
Plates 48 OK 1 raised discarded
Oven — Very fine —

Surface generally not so good as 384 Reg —

522 42 plates 21 Duco 19 OK
2 Discards 1 cracked 1 peeled.
Wks excellent = Excellent surfaces —
free release A1 — Transfer blank OK 19
Cracked 2 = Plates 42 - 2 raised
Cracked 2 Dirt 1 — all discards
OVEN — good few small blisters —
12 Records Tested
2 Run outs
1 " Bad
4 OK not nearly as good surfaces as Reg
2 Slight Run outs
3 Very slight run outs

520 = 48 Plates 24 discs 22 OK
1 2nd Cracked 1 Disc and peeled
Looks Excellent Excellent surface free
release A 1 = Transfers OK 21
Discard (3 Cracked)
Plates 48 OK 1 Dirt 1 Ruined both
discarded — Oven very fine —
12 Records 8 OK very velvet
2 Slight Run out at start only Velvet
1 Very slight run out not velvet
1 " " Velvet.
Noticed Cutting one one.
Thus noticed on other Panchromatic
Make 10 Ear test —
Thus is fine surface better
than Regular probably
Best yet of Brand wear test.
Found Ebal 50 Record
Cutter Lamp
So Its NG — Mary
wrong more 6/4
Dup wells 25% more
6/4

519 24 plates 12 Discs
11 OK 1 Discard Cracked
Looks Excellent — Excellent Surface
Free release A 1
Transfers 9 OK 2 Discards Cracked
1 2nd — small Crack
Plates some bubbles on edge
24 — Discards 5 Cracked
Records 1 —
Oven Very good —
5 Records
3 OK Velvet
1 Run out
1 " only at start —

518 12 Discs 10 OK 1 2nd left up
1 Discard dirt flow to smooth
surface — Looks good fine surface
free release A 1
Transfers OK 10 1 Discard pull
out 1 2nd right pull out
Plates some bubbles small peeling
1 Discard ruined Oven very good
20 OK Velvet 2 Runouts 1 Slight Runout

523- 42 plates 21 Discs
15 OK Discards 6 - (3 left ups
1 peeled 2 cracked)
looks good - good surface
free scratches, slightly
dirty
12 Records
7 OK 5 slight run out
surface fairly velvet,
Transfer OK 14 Discards 6
Cracked 1 Dirt on surface,
Plate 42 OK 4 Discard, raised
Oven looks very good 2 left ups

524-46- 21 OK 13 Discards 10
8 Vary peeled 2 cracked
looks good - good surf slightly
dirty discards not all
due to [illegible] -
Transfer OK 12 Discards 2
Cracked Oven very good
Plates 46 OK Discards 2
bubbles
7 Records 3 OK not velvet
3 Run out
1 OK Cuts.

415 - 96 plates 48 Discs
31 OK Discards 17 (15 peeled
2 cracks - Discards not all
due to Varnish - looks
good good surface
12 Records
Transfer 26 OK 21 Discards
Cracked 1 2nd pullout
Oven - looks very good
Plate 96 - Discards 3 Dirt
Raised 5 -
12 Records 7 OK velvet
2 Very slight run out
3 OK not velvet.

527 - 42 - 21 Discs 16 OK 5 Discards
2 peeled 3 cracked - looks good
dirty - dark seed, yellow +
brown after varnish
free scratches -
2 OK 6 Run out, rough
surface -

440 96 plates 48 Disc 43 OK
1 2nd 4 Discards 2 pecked 2 Cracked
Wk excellent Excellent surface
free reel no ph 1 -
Transfers 38 OK 10 Discards
Cracked
Plates few bubbles on all plates
2 Discards 2 Dirt 1 Runned
10 good plates
Oven very good some plates
have an explosion
12 Records 4 OK velvet
3 OK not velvet on stand OK after cleaning
2 Rain outs
3 Very slight rain outs

525 48 24 Discs 15 OK
8 Discards 6 pecked 2 Cracked
Wk fair slightly sandy
free reel no
3 OK rough
3 Rain outs rough

Try 72 by 4 over grafted wax
on Copper shells -

Take apart 3 A4 cells I now
have soaked & got 3 plates
+ soak 24 hours in highly
Conc Cobalt Chloride, Lifter
Nickel Chloride, then dry &
precipitate with 5% HCl.
Wash + put back + Cool

Grum Take Graphite Mosaics
Graphite mix Cooking oil
1 Gallon 4 OK after
10 Copies before then Rea
how it Covers

Hoffman Disc 520
but 25% worst 6/4 -
50 plates

Work Grinder then water on
Silver Cell + graphite wax and
rinsing

Run Wear test on 521
& 440 —

Send Home PR to Ford
Send to House pull test
Correct records & have
Ernie keep them up
to date

528 — 48 plates 24 Discs
20 OK 1 2nd light up
Descends 3 Cracked
10 Oks very good — pressed
A1 —
Transfers 19 OK Cracked 3
Dirt on surface 1 —
1 2nd light pull out
Plates OK 48 24 Discs raised
Over — Very good —
12 Records —
2 Slight run out not quite velvet
2 Very slight run wild Velvet
5 OK velvet
2 Run outs — 1 fairly good —
Pretty good Varnish — my good —
Better surface on record
plates probably lives
Varnish is OK for surface
as compared to others.

(45)

530 49-28 dozen 18 OK
2 2nds (Checks Comed)
Discards 3 (left up)
Wks very good, slightly smudgy
some few red spots, free release
A1
Transfers 18 OK Discards 3
Crackers - 2 2nds slight pull apart
Plates some bubbles on all
plates Discards 4 raised -
Oven good Here are blisters
1 Run out rough
1 Bad run out rough
2 Slight run outs rough
1 OK Velvet
3 OK rough -
Bad lot - NG

529-48-24 dozen 18 OK
1 (2nd lift up - 5 Discards 1 peeled
4 Cracks
Wks good slightly smudgy
free release Cracks crack
Transfers 14 OK 7 Discards
Crackers 3 2nds pull apart
Oven - Very good -
plates 48 OK -
3 OK family velvet
2 Bad Run outs
4 slight " family velvet
1 OK rough

531
36 plates 18 Discs 17 OK
Discs 1 peeled
Coks Excellent free scales
A1 — Transfer OK 17
Discards 1 Cracked
Plates some bubbles on all
Discards raised 6 —
Oven good peel free air blisters
3 Slight run out Rough —
2 Run out Rough
2 OK rough —
685 pounds so far on this
mould perhaps getting
rough —

Meadcraft
See How many
Operations you
Can get

532 — 42 21 discs 18 OK
1 2nd check —
2 Discards Cracked
Cooks very good — free scales
A1
Transfer 17 OK Discards 3
Cracked 2nd 1 pull out
Plates 47 OK Discards raised 4
Oven good free air blisters —
1 Slight run out rough
2 " fairly velvet
5 OK fairly velvet
1 OK rough
1 Run out rough
1 Run out bad

Dally = Wk on Candellera
& Ichtaop pressing
process warm at plastic
point -

Have 18 Moore cells taken
apart — 2 treated with
Sublimated $MnCl_2$ + 2
with Sat $NiCl_2$ with some
free HCl -
2 with Sublimated $MnSO_4$
2 " " " warm

Moore - put in 1/2
adolz needles as
we get 20 a day

Ask Legal & Epst
style of foreign
Kunclaction patents
Synchronizer & Clock
210

get some Myrtle wax
Bayberry wax
Chinese
Spermaceti
Emperial jasmine wax
Dempsy Tolpedo Nap get rid of
see if Spra man put any good

Hoffman - Make some
3% Paraphenylenediamine
4% "
5% "

Pour on plates as quick
as made before it Cools
also 4% Pentra 3% Paraphenylenediamine
4 "
5 "

538 – 23 Discs 20 OK
Discards 3 (Cracked 2 peeled 1)
Wks very good – free scales
A 1 – Transfer OK 19
Discards 4 cracked
Plates OK 46 – Discards
dirt 2 removed –
OOEW Lookers very good
20 OK not velvet
7 OK Velvet
2 Run out not velvet
1 Slight Run out not velvet

Thank Wm
Pogson would
be willing now to

540 – 24 Discs 21 OK
2 2nds (2 checks 1 cracked)
1 Discard (Checks)
Wks fine – slightly cumbersome
free scales A 1
Transfer 19 OK 3 Discards
Crack, 2 2nds light pull pulls
OOEW – not good pockmarks
Plates 48 OK 2 Discards bubbles
1 Run out Bad
1 Run out rough
6 OK velvet
2 slight run out not velvet
2 velvet

541 – 23 Discs 14 OK
1 2nd Lift up –
8 Discards 5 peeled 3 small cracks
Wks good – slightly cumbersome
free scales not knotted or
cracked –
Transfer OK 12 Discards
10 Cracked 1 2nd pull marks
OOEW Pockmarks
Plates – heavy matte surface
46 not Run pieces 2 lift outs
Horrible surface No

Gruman – where is accathe
ice wood – Chelsea?,
Bachman – I can't get steel
in this Country get
it abroad –

Silver Monochloroacetate,
pearly scales - Deflagrates
at 110 Cent - sol hot water

Silver Sulphocyanide
Scaly Crystal Sol in water

Send Ford new phone
he makes noise -
~~by~~ speak mechanic
with it the H ~~Pr~~ and
10 pies -

Use Cabinet sol plate
over a old master well
cleaned, a layer Cobalt
1 amp hour or less
then immerse in Copper
sulphate ~~[illegible]~~ dip
pour melted Cheese Refined
shell then wince
detach & then peel
in bath - Strike Cu
full thickness

Chemistry - Cant some
1/4 & also 1/4 Chemals -
Coal natural with Coves
on also Glide quick

Tried OK try a Copper
record in the ~~[illegible]~~
work.

This gives chance to flow

get some Sliceage Lead
acid among Sheets
to mix -

Try Oxygen Mag
also Zinc -

Get old Master flow
Reg Varnish 4oz, Paste 5oz
~~[illegible]~~ Ra 100 C4
so can strip

(55)

Try Keenes Cement Plaster
200 mesh — for dies

Wilson — at proper time
take steps to wind up
the Nottingham in England
of Jimmy Legendre

Hatch —
See about great wooden
tubes & 1/2 pounds
to get internal Res
Abroad —

Get that fusible metal
1/2 made melt &
drop master in it —
or pour on master

~~Fred all — use graphite~~
~~wooden & with Cream dissolved~~
~~in Benzol — put the powder in~~
~~die & press it on mould~~
~~heavy pressure —~~
~~I could make the Cream~~
~~Rangel mix —~~

test surface on smooth
part of a good Victor
record on new machine

Glacial phosphoric with
aluminum phosphate
thick, then mix ZnO
to consistency of putty
working in 1 minute

Dovetail Cement
ZnO half its bulk
with $ZnCl_2$ 1.260 sp. gr
sets quick —

Dry ball of gutta percha
by hand in hot water
& press it from corners
of mouth — it will
be full up also & hot
it may then cold —

get some gum chicle

send special man
with reco medicament for
Forbes Mylam also
HPK —

Daily reports of work
wounds ok ok for repair
+ Doubling + Regular.

Ship to Tooi a 250 disc
Washing + lot of records
all so far

Barry Record Make
up

Stevens died Whyno
get Mysha Record

Amalgam to a moved
then some sticky wax
see if it dont come off
Sodium Amalgam

Pour over water 150 cc of
Very thick Prince Vernus wells
10% Paraphenylenediamine
heat slowly in oven until
Condensed — strip & gold
plate.

Put wax record on blank
turned flat lay on
Mould & put in oven
& bring it to a foaming
point & let it sink
down a little, then
Cool —

Make very fine solution
Charcoal — good oil in
Turpentine ale, flow over
Master & get all off
Can let it dry in air.
Then Cast wax record —
it will not break I
think

546 48 24 dress 16 OK
8 dressed 5 peeled 3 cracked
Wax good — very good surf
free scales
Transfer 11 OK 13 cracked
Plates 45 OK 3 dress marks
Not peeled

545 — 48 24 dress 9 OK
15 dressed 6 peeled 9
cracked — wax poor
fair surf free scales
Transfer 9 OK 15 dressed
Cracked
Plates 45 — OK Then —
spots dont print well
Gold very good —

544 - 48 24 dec, 20 OK
1 2nd Comel Dry ground 3
1 Crack 2 cracked
Wks very good Excellent
surface, perfect Coast
Transfer 18 OK - good
Wks the appl 1 bright well
out, 2 small Cracks
Plates 48 OK OVEN - Very good

543 - 24 Dec, 18 OK
6 Dec and 4 cracked 2 Cracked
Wks good very good surface
free scales -
Transfer 18 OK 4 Dec and Cracks
Oven good
Plates 48 OK

542 - 24 Dec 20 OK Dry and
4 - 2 cracked 2 cracked
Wks good very good surface
1 sheet to do
Transfer 18 OK Dec and
Cracks - 2nd chipped around
hole -
Plates 48 OK - Oven looks
very good

---

2 girls Blond & Accidental
& Angeline

Dolly - Use 2 to 1 + put Celluloid
on prevent shrinking agent and
bring up to 3.0 or 4 hold
the Reservoir Cause it to
stick to thumb

See results Vol 521 Real.

Wash 60 A4 + table ground
60 A4 not washed

Smith took Pass off
100 camp on A4 —
washed & not washed
also with 21 KOH 2
& 25 NaOH 2 Light.
also 2 NaOH.

Moore try to work on
an unassigned table
also flow from cyclodex
also press Tuesday after 1st

Lubotsky has drop
House when Come
over —

See how much work
Chronaeman gets —

also make in Pierman
Room —

Send Ford 100 m
SBR Flask —

William work
Calling — Tag
get rid of Dupi —

Wilson start
Talking the Capt
unfriendly

551 = 24 200K 2 2nd 1 Lifting Cond
1 crack – 2 Discards Cracks
Wks fine – Excellent drafts
free release –
Transfers OK 19 Discards 4
Cracked 1 dirt on pressbar
Plates 480K 1 Round 1 Bubble
Oven – good –
3 Rough edges OK } moved from 878
1 OK rough – } time Two rough to use as track
deduct from the other 8 –

553 – 24 – 17 OK 3 2nd 1 peel –
1 Check 1 lift, Discards 4
1 lift up 3 cracks –
works good – slightly drawing
Transfers OK 18
Discards 4 2nd pulled out
around reducing 1 air blister
Plates OK 50.
Oven good –
Moulded two rough
must repaint one
another moved

Varnishes Continued

548 – 3% Paraphenylenediamine only

549 – 4% "
550 5 "
551 – 4 parts 3% "
552 4 " 4% "
553 4 " 5% "
554 4 " 2% American "

Wilson - about Jewish -
over to Cyclopedy Meach -
slaying mice off -

See about film on paper
Covers & wooden frame
not practicated

554 —
48 — 24 discs 18 OK
1 2nd 5 descards
Cracked Wks good
Free release slightly
Dumpy
Trash 15 OK
8 Discards cracked
1 2nd Lady pull out
Plates 46 OK
Oven good
1 OK Little rough
1 Slight RO good surface
2 OK good surface
1 Rumbed face and
1 OK Cut —

521 Run then same time
as 554 —
46 plates 23 discs 20 OK
3 descards 1 pecked
2 Small Cracks
Wks very good Excellent
surface free release
slightly dumpy
Trash OK 16 — Descards 6
Cracked or blister 1
Oven good
Plates 46 OK 2 Discards
raised —

20 OK fair surface
4 Rumbed Little rough
one of them Cut on
smooth part —

Wally Muller
We went some hours (cracked
m. 1/2 week or 2 wks 5/4 to
utilize blanks (cracked)
on edge. When a lume is
short don't put it all on
the edge. Every short one
should be put in 1/2 or 5/4
[illegible] about every 5th
Record

Goldplate / white
brass / blank &
Copper / Boy / dirty

Pumpkin / yellow / oil
Red / Green / Brown
Medium

Hitch - 2 pallets on Eng.
see where coorth. -

555 = 24 hours
6 pallets 3 dures
2 ok 4 Consol 2 ...
very shiny
2 ok for surface

555 48 hours
2 ok surface
about same as
24 hours

555 96 hours
2 ok
Surface better
than 24 or 48

555 = 120 hours
very nearly better surface
than 24 48 + 20 hrs
96 hours cut both
plates stuck to blank
Evidently 4% Paraffin
2% Amorphous Paraffin hardens
if 555 is it - is best
after keeping on ice
for 3 days for 4 days

Get up Machine
for plugging
Vic Rec on rim
Medium
Also Volume
Adjustis

Ball

~~White~~ Green
Sheet Celluloid
20 - 10 ide X 50½ long
8 discs 104 of sheet
1 3/4 lbs, weight of
8 discs 1 7/8 lbs —
½ lb scrap per sheet

Reg up disc
Turning off reach
for Celluloid
discs with
Drumhead
back chamfered

Clerk for Defendder
all hours for a
work to take notes

Necessary to hunt
under data
Mr Ellison
Nebraska

Take up final testing
of new things. Tie
phones etc

Use a working Model
descend as an anode
after thorough cleaning
to see about hole
rotate it, Req way

Try (D) Cellulose Sub
in Req replating bath
with Ni plating
to see how thick can
get before peeling
then make 2 or 3
finishing with
Copper

Tell Mercks man
Schweiz K with free
K - get out too
hydroscopic

Starting ~~Monday~~ want
record of all Celluloid
~~Mould Number of~~
~~Records before taking~~
~~off —~~

Ford will send March 4
134000.

Backup —
Kummerlöf waits
3 more Consider
the 2 Orafloss

Goldstein got good
Sensitive test for
Tantalum. Maybe we
can use in battery

New Records Come
Celluloid —

Old Silver 1301 — Because you
are you —
Started right off at 4 amps
Slow Speed.
100% of big Crackles NG
2nd print same

Except 1/8 celluloid used by
him for making & clamp
holder — it kept flat
OK. it was clearly print
but put it through also
Expt was due to hardening of
fine surface

66 + 92 Celluloid Dummies
surface only fair no snaps
Except what is due to
Dry mud marks marked —
Brush used —
Consider it pretty good
no snaps are absent

Bee-does Hartford
change battery also
do they want till
Carloff & change
Coop. Grove distilled
water also
Tell Fond Lake to get rid of his lot
of fulm. sodium & wire all
send a new lot,

Goldstein / Make 25
lbs 3 Crystal Sulphate
of Sulphate of Zn from
Silver Lake Morning
6% Cobalt Sulphate in
Crystal form together
Miller Zn sulphate &
reduce for test,

ditto 25 lbs with
25% metal / 5 oz in
it =

Goldstein take some
Zn from Gallery Co &
test for sulphur #6 zinc

Dunwoodie perhaps
we put 5 layers on too thick
1/2 thick / 1/4 thick try

Dunwoodie try 2 grafted
Sub Cellulose & Chem
Silver Lyons

Geo Lewis Miller paid
for his phone & records

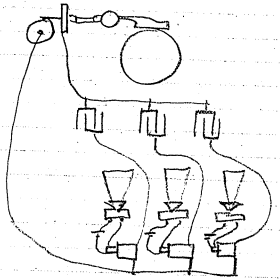
Moore & Condensators gets
on Marlen Moulds today
not on wed Monday
thus get slaughted

~~find a solvent for Acetyl Cellulose which has absolutely no solvent action on Nitro Cellulose to patch or fix spots.~~

~~Bachmann 3/16 tube burning up.~~

~~Try Experiments with thicker cloth on grill to reflow & reduce scratch also like ball~~

~~Demonstrate why just more practicity in slot to keep dust & oxidation dissolves~~



Ask Badasche Co for telefon
if they have hydrosulfite or
wether they ~~[illegible]~~ reduce
Cu to Metallic state —

See Mehrs place for ~~[illegible]~~ filling
in Diamond see Spokane
if we aren't get rid of running

Look up the Formofix which
gives least Sensation. Think
it was Parachlorometacresol
+ try this instead of
Pontin or put in the
Para phenylenediamine
also try Pontin the Pollenetin
+ Hair dye ?

Six Records to go on
at 20 amp intensity
in Variant &
Six in brush bath
at 10 amp

Walter Miller Make up
a 2nd Happy Days

Forrest ~~[illegible]~~ Spen perfect
Melody ~~[illegible]~~ Cantrons
Nayr

Wilson - we show all the
Docs graf gave &
if we are sued they
pay 3/4 of Cost

find out Cost
Hydrosulphide

When Quitte cents
over bad Tr's plates
from bulling. measlings
with Bromine —
Hosly — + found out
why Br gives the
medal unattached
near holes without cut

554 - 521 2½% more
alcohol

562 521 2½% less alcohol
563 521 5%
564 384 2½
565 Drawn off death -

559 - 2% Phosphotungstic
5% Picric

560 3% Picric pd —
5% Picric

561 3% P & D -
6% picric -

557. Reg 521 with 5%
more alcohol the
Mg only got 50%
good Tungstic
with 2½% more
alcohol only
got 54% good -
Want to see thick
as possible - then
in good Cure -

Small pump 3" dia 3/4" wide
At 1800 Rev runs 3 jets 3/64
dia hole at 6@7 lbs pressure
When jets clogged pressure
not raised appreciably
When 3/16 hole jet is opened
pressure is 2 3/4 lbs
Same pump at 2800 Rev
runs 3 jets at 11 1/4 lbs
3 jets as above take 50
gallons per hour

Very good

Test 561 - 48 plates
24 discs 20 OK
2 2nds left ups -
2 Discards 1 Cracked 1 peel
Works very good, very good
Surface 2 stuck to plate
A-1 83.3%, 4 Bay
12 Reserve
11 OK 1 very slight Runout
for short space
Plate 48 OK 1 short 1 Reserve

Transfer
17 OK Discards
2 2nds 1
Cracked at hole

560 - 48 plates 24 discs
19 OK seconds 1 left up
Discards 4 - (3 left ups 1
peeled) Works very good
very good surface
1 stuck to plate A-1
80% Blank 16 OK
Discards & Cracked
2 2's Pull outs -
8 OK
2 very slight runout
2 OK Little Cracks
plates no discard

559 - 48 plates 24 discs
20 OK 4 Discards
2 lifts 2 peels Works very
good. very good surface
3 stuck to plates
A1
7 OK
3 Worthless RD
1 Big flaw
1 Cracking

563 - (521 with 5% less Alcohol)

48 plates 24 discs 17 OK
1 peeled 2nd — 6 discards
3 Cracked 3 passed
wlks good good surface
free release Dunnage
Lebel on 1 Lifted up
where need for test
Red Tinge not black
Like 559 604 61 —

Transfer blacks 14 OK
10 discarded
Plates 48 ok 2 passed —

OK. Velvet 9
Run outs 3. only little.

Looks like flowing +

562 - (521 2½% less Alcohol)

OK 15 2nds 3 1 lift 2 Crack
Discards 6 2 peel 4 Crack
wlks fair good surface
free release Dunnage
Plates 48 ok 2 left out
Transfer 14 OK Discards 10
Cracked surface 2nd 1
Cracked in Dunning

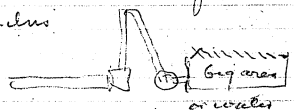
OK 5
Slight Run out 3
Big Crack 1
Run out 2
Bad Runout 1

something in drying

[9]

Try Acetone
Carbon Tetrach
all the Chlorinated
Stuffs from Germany
as substitute for Phenol Resins
+ all the cheap substitutes
Sassafras oil -
Terpenes etc
to see if better transfer
Procedure —
Molten solvent, hot plates, flour

Mason — dust from
Kilns



384 Resolat

OK not varnish rough	#2
Slight Run out	3
OK Velvet	6
Run out	1

	Resolofloor Talcum
Mrs Mitchell	fair
Emma Morgan	"
A Brousseau	NG
Coral Williams	NG
Edna Thurman	good
Ramsey	fair
Zoe Kett	good but perhaps too much when applying —

566 Paraphenylendiamin 4%
Pentra 8%

567 - Paraphenylendiamin 6%
Pentra 12%

Jack Rose used Schulmy
once weekly - Horan
Wan permanent at
Schenectady -

See if acetoacetylene
dope is normalized over
Under Collodions are one
Bailey Blackman -

566 + 567 no more
than 46% discard
left ups - peeled on 566
quickly - run out -
72% discard on 567

Trench + Becker spatling dress

Wanted Conditioner

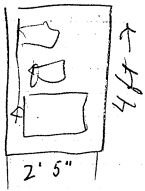
Glass disc for Press man

Get gutta percha tissue
for to slatter or chicle -

Gutta percha ▢ sq. weighs
per disc 1.35 grams

330 to the pound

750 lb - 2½ Mils per disc
350 - about 1 Cent "



Ask Kaumlhoff if he
has had tube leads
of samples he brot
up new process
No —

Nickel 50% more than
now print 5 —
thin polish & print 5
polish aqueous & print
5 oxo ow
also Spring press print of
wood with Rough or
Ivory with ~~[illegible]~~ rough
& try various Exptes 5
Dills plate Reg ni —
~~[illegible]~~ twice as much
& polish well —

Christensen —
Strong formaldehyde
in Reg cells 21%
to be recommended
Warm for 3 days —
then wash out —

Reproduce a subm
Celluloid at 100
110 & 125° to soften
the surface before
plating

Worth about
dipping into ~~[illegible]~~
Water Cylinder
Celluloid seems to
also [illegible] after
pressing to [illegible]

Try polishing wax
mound with [illegible]
with brush used
in graphite
[illegible] 20 minutes
+ [illegible]

Worth looking in
Repair Cyl [illegible] 3 or 4
setting down [illegible]

8 Microscopes -
quick -

Why not make
penis by filling the
phenol in Cast Introducing

Phenol powder
put in water &
boil then all
oil comes out
in water &
test for himself

Valley Asphaltic,
~~Rosin~~ Rosin
Resinous
& Wood pulp resins
Paratite water insolubles

Other Changes would
Dyeing or Tox will
have an Upturn -

See if phosphenpendyamin
will condense without
6/4 —

See if 6/4 Melle
Condense Formaldehyde
without phenol -

See if prepared Rosin
pine and hot well
press to powder blanks

See if burning face
of coconut on brown
blank with Roff in
H_2O as Alcohol would
make it adhere to
blank better Especially
at Edges + Centers

Try Gulla phenol
on brown — 1 + alcohol
2 Weeks

Mary Ann gutter on
new dropped Collinson

Buy GPC [illegible] of Palatka
fail cheaper order
5 lbs. 75¢ gutta double
thick [illegible] all samples
Possibly [illegible] will answer
[illegible] ord

Sprinkle dyestuff in
Celluloid [illegible]
[illegible] pipes to
let hummers gently
water are sufficiently
to prevent explosion
by generating [illegible]

See John Goldstein
does for GBCs &
arrange it —

Get air pipe over to
Dunnedin place —

Overtures Wardrans
Rollers — Dont sound
like I passed — probably
wants 2 parts —
1 Enchasido — Lucien
to original Piano

Dope for Celluloid Disc Dip
Now use
1½ inches in jar of
Cooper dope, 1/5 more of
acetate amyl. + mix well,
then add 7½ inches
Absolute alc in 3
portions mixing well
Each time — Filter 3 thick
Washed Linen — then feather
in bottle 2 Linen —

Flow coat Wash/Coaps
[illegible] Silver plate
also separate plate
11" dia with run (ring)
1/8 [illegible]
[illegible] plate
dry —

Separate [illegible] across
Road dep + [illegible] collection
gives [illegible]
[illegible] room —

[illegible]
dif coaps + measure
penetration of a needle
with a [illegible]
Use of a Scleroscope

Dry Dept 165 Employees
Payroll #1522.30
Lock — 1 day out,

Try Coating plates
+ dry in Vacuum
Dryer —

Wilson Maxwell —
about measuring for
Kindleflow on Pico
Homes in Glen Brown
Room [illegible] plates, dishes
4'0 [illegible] from our
5 [illegible] Parcel P

[illegible] plate
[illegible] out of the Dryer

[1051]

40 Moulds 158, for recording
#6320, minutes.

	Copper
1000 Pounds	24.3
1500	16.1
2000	12.15
3000	8.10
4000	6.00
5000	4.86
6000	4.00
7000	3.47
8000	3.00
9000	2.70
10000	2.40

Moore - all filling
Small probes 12
Thin wall part do
Submarines

Chrysleman of Troy regenerating a Polaude Cell, heavily Epheated ~~[illegible]~~ (12) Zinc gone by creeping the Zinc lead Sulphate Sulphuric acid amount of acc of it could act again —

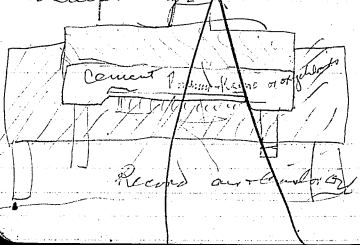
Bismuth deposits with Copper do Carbonic possibly this would harden Copper —

Make dish fit the Cellulose Disc then pour on Acetic acid or acetone or both Fast Cover on a soak till dissolved then open & dry

See how much cotton line
Can be used in transfer
Varnish with little extra
Machine & still flow

Coat a sheet of rubber
by using velvet brushes
rub hard & put it warm

Hold a copper sheet
over vapors of Sulphur
to sulphurize it -



Take up matter of Porcelain
plating bottles also
glass plumbed.

Fachman about Boston
house - hurry -

Caramel
Albumen
Gelatin
Egg agt
Dextrin
Glucose
Citric acid
Tartaric acid
Chalk -
Glycerine -
Sulphate Alumina
Sulphurous acid
Borroglyceride Cu
Tannic Tannic acid
Chloride Hydrate,
Resorcinol -

Pick out Vat Dye for
Aluminum &
Argentum

Magnesium wire for Violin -

Collodion

Indigo in H_2SO_4
Molybdic acid - dio oxide
Orlanger
gum arabic - Reversible
Dextrin -
Tungstic acid
gums
albumen
Tabin

Congo Red
Prussian Blue

Examine & test Goodwin
lad returned records

Meadowcroft -
Why don't Leads
Come up using
phosphide -

C1113

Pick out duetto for
Steals & Kinsey —

Steals wants to sing Obstophele

Pick out Duos for Auchmuty & Arquette

Magnesium wire for violin

Examine when some Sheetwork last returned —

Take up matter of Porcelain bath

Cost sachmuster, bag, Velvet or Chamois Kid
Woman pl. ostia

Christmas

Moore small pieces to memorize

Moulding cabinet for piano 2 or 3 ft
over

Remind Hayes to keep a new book
how about Mauritana overture

see about [illegible] road dirt & stone collection —

See if Arquette free of Varnish
elys plate with [illegible] 33% wont make
a blur [illegible]

Moore, details of new apparatus order

Gwa ashing not to make paints by
putting in Spanish Barbow —
How about Cat Paints now —

Smith book of Song along
Sequenching [illegible]

Order 12 Mbr Micros —

New order for cellulose
discs —

Mudd gives notes to Cyp Lead for 1
Year to May 1 — Change Elec to
gas [illegible] 5 off will do

Try cast flat Paper rubber
pad for grinding — also
[illegible] board.

(see) Ford Ball attach

Get model box B2 Ford

Order [illegible] Celluloid
[illegible] —

(Hungry) up [illegible] patterns

" " add Ele on
Plotting table —

Place all the new stuff
+ shops for Material

See Bradman about model
box for Ford —

See Mundo about Money
+ PRR payments —

See if Caffin home
if JPM home
Perkin "
Mosel "

See Bradman scaling
Hay rack dates Wilson +
Bergeron

Call Ray re use
Ray Dc Mac all make
for [illegible] p.c

Geo. Stevens
11 Thomas Place
New Rochelle
N.Y.

~~Geo. Stevens~~

Listen to all the
Cylinders 13 records.
11 pick records —

ok Muddy how is
Keeping you me
[illegible] for the April
[illegible] much rain —

for Cu baths —

Nitric acid
Boracic acid
Anhydrous sulphate
Sulphate Zinc
Cadmium
Magnesium
Manganese
Aluminum
Sodium
Potassium
Lithium —

Urea
Alcohol - Et. Methyl
Acetone,
Phenol,
Cresol,
Formaldehyde
Phosphate K Na Li

Listen to Stevens Records

Keep a old Blue Zino
Record breaking

Try Sewed belts on Mace

See Luhr about the 6
#60°

Put bells on governors
Underrack 1 - see Luhr

See Dimon Gun Concealed

Dolly about mowing
Shellac plate

Keep at Leaving till
Burns mower

Dunglinn New Reader
1/2 $3 -

Dimmick look up
Diamond resonator
White Mountain -

Dimmick gives
list new Catalogs

Miller about Lilliu
Cost -

Hangs Old Reader from
Dunglinn and the Tingle in
it

Beach Hill Geo. Walker
Consignment.

Smith How fallen on on
requesting trade neg -

Catherine Wiggins Lucas
McCo

Mehr Why vs 3
Ar. Compass
Monday 8 pm -
Monday -

Beach Hill 4 to 1 dope not grafted - Prudence Cant dope Cu-
fine OK!

Freeman 5 to 1 grafted -
fair but surface not near
as perfect as 4 to 1 SB+Rye -

5 to 1 not grafted - not so
good as 4 to 1 - SB+Rye -

5 to 1 not grafted

See what of dens was
have for Cylinder
Monday -

Bismuth Notes S Bailey

1 Perhaps Bi in big cell wants great excess of iron or a separator to keep Hydrogen away from Ni Cube as flakes may act Catalytically & make a bad reaction

Work up Extra series Kendoplasma for Movies –

Dubmaster Notes –

1 = Dalley – ZnO + ~~Thick~~ film dope
dries

2 = Very thick Cardmate Varnish
10% paraphenyl – diamine
Phenol + Mix with thick
film dope harden at
low temp to get flexible
dries – Don't mix.

3 – Polymerization of Pinene
Colophonene, Pinolic Resin from
Amber color Insol in alkalis
See Jnl am chem soc 28 1461
original paper given to 8th
International Congress Applied
Chemistry by Frankforter &
Poppe = July Number 10th Abstract

Artificial Resin a Review
by Bottler in the Kunstoffe
3 – 84 – 9 130 – 4

Acetylene Tetrachloride
Solvent acetyl Cellulose

Calcium Chl + Ethyl Alcohol
good Solvent of Cellulose

Glacial Acetic acid is the only
fluid that dissolves
Gelatin, Glue Casein –
Acid is miscible in all proportion
in Alcohol Chloroform, Amyl acetate
Amyl al + acetone
A dissolves Cellulose Nitrate
+ the solu will stand a lot
of water Can be followed
a little acetic chloride
mixture or tetronit powder

Acetylene Tetrachl. Best
Solvent Acetyl Cellulose
& also dendros Dammar
Shellac - Elemi Sandarach
Ure zoffer Copals Camphor
Sulphur - Miscible with
alcohol amyl acetate
& Carbon Tetrachl.

Phenyl Acetate ditto as
Acetylene Tetra -

Gitrone heavy Acetone
Oils - Salicylic -

Acetocellose in Acetylene
tetrachloride with Shellac

ditto with Condensite Varnish

ditto Condensite Vars + 5%
paraphenylene diamine

only bad to the Rubbery
state -

Great -
Condensite very much thicker
Condensite Varnish containing
5 to 8% paraphenylenediamine
up to the Rubbery stage only
then ass of Varnish can
be showed off - also in
Connection with Acetocellose
~~etc~~

See Smith abt Expts to find out why stuff comes out in Cells —

See Joll Moody about Conditioning plant in Drying Room

Learning about Edna Governor parts on hand why so many rejected we can use —

Also of the various Machines Complete parts & parts on hand

Mahofer on Disc —

Vic Rec on E machine

"Any Rags" for Disc —

Buchan about model box for Ford cells

Nelson why 3 air compressors

Nicholls about filling Locos for Coal Summary

Listens to Cylinder Rag + bands & lot of things Bangers gang — do it nights

Gwa — why patty Chloroinds Penta in Strychnos

Pick out discs for Australia & Argentina

Pick out duets for slides + Rewind —

(131)

Magnesium Oxide for
Vicuna

See Rammhoff about Roast
furnace for 72 604 &
Storage fuel oil tanks

Get some Poper Wadhe used
by Glenolyper + press
on back of mould record
steamed + then dry see if
OK.

Try Roofing with cal.
Cresol Resin —

Tell Leeming 10½c
for Phenol
+ we should get
Cresol Cheaper now

Dally
See if Roofing pure
sawdust will press to a
Cake hot —

Dally - also wood pulp
Rosin - Barrel,
Glycerine + other cheap
fillers —

Dally on making Acetone
Tetrachloroethylene of Pennsylvania

See if Paraphenylenediamine
Condenses with Phenol Resin 6/4

Also if 6/4 will condense
pure paraphenylenediamine
without Phenol.

See #60 in wooden Cabinet
See if 2100 lbs press phenol
Made record in steel mould

35 000 Cylinders day
14000 week profit,
profit 3420 week

$30 –	week 500 –	
45	275	
60	150	1040 –
80	100	5 weeks supply cost
125	12	$100 000, $20 000 week
200	0	

Cylinder 30 000 daily – 780 000 month
$95000 – 6 weeks ahead 118000 required
19666 week –

1000 dealers

	month –	our sales	week
$60	2000	60000	500
80	4000	60 000	1000
150	1000	75 000	250
200	1000	100 000	250
250	1000	125 000	250
Stopper	100	15 000	25
	9100	535 000	2275

$\frac{1}{4}$ of these are proof

6 weeks supply required
investment $642000.

½ 1135
¼ 569
5220 week

Price – 1000 dealers Each number
2 for week – sell 15 Records per
machine – this requires 5687 records
daily for stores & 1600 for stock
or 7200 daily –

2nd month	14000 daily	20 new per month
3 "	20,000	
4 "	26 000	8000 day
5 "	32 000	9600 profit week
6 "	38 000	

7200 records per day is 250 000
for 6 weeks cost up $84000 –

2nd month	154 000	
3rd	224 000	
4	294 000	6 week investment
5	364 000	
6 –	434 000	

Price Cylinder 1 ¼ million –
on 30 day collection basis –

Nehr how far along have you got machinery for 50 000 daily & what moto required

Now that month behind we work it –

Wm B Parkhurst
for private Dispatch of
142 170 cals
cuccchieg impeder with V

8 Feb 1945

(135)

E Incorp	July	Aug	Sept	Oct	Nov	Total	July 15
Compo notes	15000	45000	50000	40000	53000	203000	
Customers "	28048	38127	26552	33389	1650	127767	
Mchdz "		15000	50000	6574	20000	91574	422342
E Phono Wks			15000				75000
E Storage Bat							
Compys notes	18000	36000	107000	34000	21000	216000	
Customers "	16809	6144				29954	
Mchdz "	8088	56227	36279	39394	22619	162610	401564
Total	85945	196498	284831	153357	118269	838000	

Cleaner for film
glycerin ~~Get Glue~~
~~permit~~

Work out a glue to
transits ~~glue~~ breaking
films joints

Get out improved more
powerful Motor ~~#80 #60~~
Run 1 ½ 12" Records

Get small diaphr & Disc
Repdes on Kinetophone

Governor for Motor to run
new ~~Photographing~~ Machine

Get design of film plant
also of film plant across
Road

Jones on recommend ~~85 V Motor~~
~~to~~
See Hazen where any 85 V Motors
are got,

Get special Connection
powers Machine for
Kinetophone

Run film ~~Scopes~~ on our
regular Kinetoscope
also Powers

find out prices & makers of
small Ice Machines

See how ice cutters is used
if pumped over powers

Ask Legal Dept about Holywood
Decision, Hounds just
Decisions in Boston

Taylor on large dia & long lever having big motion to Record velocity in anything

Stop Gr[illegible] of 9 go to May [illegible]

Take up on HPR - put it on test -

How about big pic HPR.

test on printing slides for HPR -

Green -	new	old
19	8	35
21	1	21
22	16	18

Listen to Bangs [illegible] hours 1350 [illegible] never would have [illegible] Listen to [illegible] see if [illegible] -

Nicolai - W[illegible] papers too small [illegible] 14" mean & big [illegible] ?

We have 16821 plates -
14500 up plates -

Buchman - Don't draw on Lab tables this winter

Dally [illegible] Cel & [illegible] with Trichromatic Kep [illegible]

Unfilled orders July 12 1913

Discs -	
60 -	1837
80	1316
150	383
200 -	297
250	343
Hyper	37

Cylinder Wholesale
2470
Cylinder Retail
219198
all machines
202

Big Phone 42 -
Kinetoscopes 2
Complete Edison 8589
" Remingtons 4938

Orders for records average for 11 weeks
100000 shipments 96454

Mr Waitt
Sharon Conn.

See how long a Victor
Master runs -

Simpson Why not use
girls on ~~[illegible]~~ Demonstrating
all Work

Why not ~~[illegible]~~ Triopleasures
go —

Storage Battery to April 30 1913

Customers accts, 366 861 — all of except Lancaster 30 000. probably get 10% or more

Edison Storage Bat Supply Co, California its cash & goods of JAE, building and new York addition, wagon & goods, but by ESBat before check from E received part of this balanced against other accts payable

JAE foreign deposits for batteries of E Chemical Works 6 726 — Stands on books at this figure but the cost of the plant as shown on Chem Works Goodwill 458 000, the difference being reduced by profits,

Pats 1 000 000, issued to E for Patents, 250 000 these were given by E to the Bond subscribers,

Patents chgd off 1/17th each year,

Plant & Equip Glen R worth 30 000
Denby Mine unknown value
NJ Exploration Co good

Liabilities

Royalties accrued sales foreign Cos

Money advanced by E not including any new building & machinery money

269 703 are open accounts on April 30

Notes 195 632 were issued to JAE Incorp & shown 18 for work done.

July 21 Bl Balance 19.296.
" Edison 75.000 -

Cement Works

2nd National

DUE aug	9	6670 - wepay
"	16	5100
Sept	20	5100
"	26	6870
Nov	5	4600
	17	4200

J S Rippell 762 Broad Newark
Alfred F Dennis c/o Post + Flag Kinney Bldg
Newark.

E Incorp. Feby 28 1913

Accounts receivable

About 100 000 show = 15751 is due from Mina Halogen Co pay in material – All is good but 22,506 these doubtful – think some can be Collected,

Notes we have are $ 112,198 = $ 11,320 is very slow

McGreal 12,028 is probably good except $4000 disputed, he originally owe $38,000, Deducting everything leaves $ 88848 good

The Mortgage of $6000 is owned by us + is on a factory in Newark we sold 3 or 4 yrs ago –

Cie Francaise Edison, the only real value is $32195 being goods on hand + good accounts

Foreign Dept $ 386164, all good, active stock of machines

German Edison Co – 444,133 – Ok stock of films + Phones on hand,

Inventories, finished Product, under dev + Exp all good –

Machinery + Tools Ok

Musical Record Plant, Ok when depen subtracted

Furniture + fixtures written off on the principle that all Coo can do their clerical work on the floor –

Sales wagons, all been sold since – + should be written off

Film plant Prompt Orange, 120133 Ok

Investments

French Edison Co 19,167 – NG

J A E Limited London $ 230 460 stock

Inventory 172000 – only $95801, is good. We charged off $73000 worth bad records – The account receivable of this Co is $107,826 + are good. The Co owes 64132 – leaves $203460 deduct, 64132 – gives $139 328, Value of investment.

Motion Pic Pat Co 50 000 Ok is Govt Loses Punk if it wins –

Investments

Motion Pic Pub Co 8,500. OK
Australian Co 24300 OK.
General Producing Co NG
Phonograph Co - (Chicago) OK cash

Bonds & Cash receipts 31,541.
6000 NYC 3½
5000 W Shore
5000 UP 4°
9000 - Ethmoworks bonds -
6088 Cash
31541 - Costs 25452 -

Sales - 1912-13 4,951,646.

Net Value 3,849,811

Actual Value 4,578,116 over 662,305

July this year started write off bonds 1/17th of all each year.

Doubtful accts receivable - in hands of Attorneys

F M Alwood	4,001.00
Ball - Finty	6,654 00
Burke & James	5191
H Goldstein	166
Jas J Lyons	1840
Mitchel Film Co	564
D Shepherd	1594
Simon Sturm	700

July 21 - Bank bal $206,800.
must pay tomorrow $82,000 -

Ethmo Works -

Accts receivable, 45138 all good, E513 but + Bates Century

Inventories finished product Raw
Materials supplies 1,116,414 - all good

Cash Reserve, had it, borrowed it, double entry -

Accounts payable 197 858. - 83,340 of this is due E Inc Corp + E. balance
115,517 due outsiders for materials -

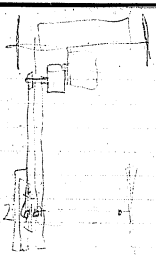
Actual goods - 1,947,451
Over. 377,838
Value 1,533,666 -

Machinery etc obs. very low.
been depcd it for years + keeping it in good order -

average Bank Balance for of E Incorp

from	1906	179000	
	1907	199000	1913. 206000
	1908	219000	
	1909	241000	
	1910	182000	
	1911	422000	
	1912	428000	

0155



30

1 to 4.

5 | 3400 –
680

680 lbs 6 ft.

680 – 70 lb.

70
7
490

490
26
2940
980

12740

172
141
121
434

660.000 –
434
226

660
226
335

June 226.000
July 335
Aug 300
Sept. 250
Oct. 150
Nov – 1,261.

1.250.000
120
25000
1250
150,000

263
1320
1
660

1320
80
1056 00
1

420
300
360
410
510
1980
80
5840

5840
1051
263

Moulds run 6 days (200 prints)
25 Records 50 Moulds on board
8.3 are discarded daily –
Product 950 Prints
Night + day 16.6 pulled off daily
Product 1900 – 60% for 1140

50 on board – 33 moulds
discarded daily Product 3800.
60% 2280

75 on board 50 moulds
discarded daily
Product 5700 –
60% 3400

100 on board 66 moulds discarded
daily – Prints 7600 Records
60% 4500

164 Baths 14 for white repair
Leaves 150 baths 168 hours
weekly – Maximum capacity
60 hours each 420 moulds
or 70 per day

Tuesday - Mary Kinney in NY
Wednesday - uncle Madelon & Connie
goes to meeting downtown in Eve
Thursday NY all day
Friday Edwards Mrs Dupont
& Mabel to dance
Saturday (Scene violent) in morning
Sunday I know nothing
Monday away somewhere
Lunch sent down in
Eve went to the Coleyshes
dressed for dinner
Monday goes to NY
with Madeleine to see Corra
since return death Tuesday
Tuesday. Mrs Upton Appendicitis
Wednesday [redacted]
dinner sent down!
Thursday over to South Orange
for lunch, dined out with me
but invented Telly got them
In Evening goes on dinner
Mary & Uncle Shorthy & wife —
Friday Went to NY
May 4 Saturday Went away somewhere
sent dinner down —

Sunday put out in auto
Monday Woman's club
Then, Beach Long Park
dinner — in Zabriskie Co
Woman's Club.
Wednesday all day Woman's
Club —
Thursday out for lunch
Friday lunch at Mrs Spelton
then to dance meeting
Saturday — Dance at W Club
home 12:30 am —
Sunday Church —
Monday away in morning
returned at dinner —
Tuesday in NY all day
Wednesday ~~lost track~~
Thursday May 15 away
Lunch sent down —

C161.3

55. (7500 (13
55
2000
7455

38
55
190
1900
2090

250
17
4500 (6,12
4500
2500

240
48
560
7.10
5500
640

15
8000
120,000
120
1040
160
19
16 Premium

660 (7500 (11
660
9000
660
2400

19
660
114
1140
25470
97178.

660 | 10000
6600
3400
330

15 premium

100
21.00
8000
104 | 2900 (28
208
640 | 40000
3600
4000
660

55
80
440
44000
52200
60
330
80
264000

300 000 600
8001000